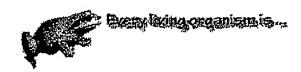




Genotype and Phenotype

# **Definition**





... the outward physical manifestation of internally coded, inheritable, information.

There are two parts to this definition ...

Phenetage

This is the "outward, physical manifestation" of the organism. These are the physical parts, the sum of the atoms, molecules, macromolecules, cells, structures, metabolism, energy utilization, tissues, organs, reflexes and behaviors; anything that is part of the observable structure, function or behavior of a living organism.

Generale.

This is the "internally coded, inheritable information" carried by all living organisms. This stored information is used as a "blueprint" or set of instructions for building and maintaining a living creature. These instructions are found within almost all cells (the "internal" part), they are written in a coded language (the genetic code), they are copied at the time of cell division or reproduction and are passed from one generation to the next ("inheritable"). These instructions are intimately involved with all aspects of the life of a cell or an organism. They control everything from the formation of protein macromolecules, to the regulation of metabolism and synthesis. 

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Search Dictionary: inheritable

## Meaning of INHERITABLE

Pronunciation: in'heritubul

**WordNet Dictionary** 

Definition: [adj] that can be inherited; "inheritable traits such as eye color"; "an inheritable title"

Websites: Ads by Goocooogle

Merriam-Webster's College

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Synonyms: ancestral, familial, genetic, hereditary, heritable, inherited, inheriting, monogenic, nee, patrim

polygenic, transmissible, transmitted

Antonyms: nonheritable, noninheritable

#### Webster's 1913 Dictionary

#### **Definition:**

\In\*her"it\*a\*ble\, a.

- Capable of being inherited; transmissible or descendible;
   as, an inheritable estate or title. --Blackstone.
- Capable of being transmitted from parent to child; as, inheritable qualities or infirmities.

 (Cf. OF. enheritable, inheritable.) Capable of taking by inheritance, or of receiving by descent; capable of succeeding to, as an heir.

By attainder . . . the blood of the person attainted is so corrupted as to be rendered no longer inheritable. --Blackstone.

The eldest daughter of the king is also alone inheritable to the crown on failure of issue male.

--Blackstone

{Inheritable blood}, blood or relationship by which a person becomes qualified to be an heir, or to transmit possessions by inheritance.

#### Websites:

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transmission procedure set forth in 37 CFR 1.8.



Patent Bibliographic Data			11/16/2004 01:26 P		
Patent Number:	5776744		Application Number:		
Issue Date:	07/07/1998		Filing Date:	06/07/1995	
Title:	METHODS AND COMPOSITIONS FOR EFFECTING HOMOLOGOUS RECOMBINATION				
Status:	Expired for non-payment on: 07/08/2002		Entity:	Smail	
Window Opens:	07/09/2001	Surcharge Date:	01/08/2002	Expiration:	07/08/20
Fee Amt Due:	\$0.00	Surchg Amt Due:	\$0.00	Total Amt Due:	\$0.00
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